



11-792-C100

Monoclonal Antibody to CD87 Purified Antibody (0.1 mg)

Clone:	VIM5
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody VIM5 recognizes CD87 (urokinase plasminogen activator receptor), a 36-68 kDa single-chain GPI-anchored glycoprotein expressed on granulocytes, monocytes/macrophages, dendritic cells, endothelial cells, fibroblasts and keratinocytes. HLDA VI; WS Code MR13
Regulatory Status:	RUO
Immunogen:	human myeloid cell line THP-1
Species Reactivity:	Human
Application:	Flow Cytometry
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD87, the urokinase plasminogen activator receptor (UPAR), is a GPI-anchored single chain glycoprotein of a 50-68 kDa, which is expressed on granulocytes, monocytes/macrophages, dendritic cells, endothelial cells, fibroblasts and keratinocytes. The urokinase plasminogen activator bound to CD87 converts plasminogen to plasmin, and being concentrated on the leading edge of migrating cells, it plays important role in cell adhesion and chemotaxis. CD87 binds to α 1, α 2, and α 3 integrins, and can contribute to cancer cell invasion and metastasis. This antigen can also be used to study normal and abnormal granulopoiesis.
References:	*Elghetany MT, Patel J, Martinez J, Schwab H: CD87 as a marker for terminal granulocytic maturation: assessment of its expression during granulopoiesis. <i>Cytometry B Clin Cytom.</i> 2003 Jan;51(1):9-13. *Lanza F, Castoldi GL, Castagnari B, Todd RF 3rd, Moretti S, Spisani S, Latorraca A, Focarile E, Roberti MG, Traniello S: Expression and functional role of urokinase-type plasminogen activator receptor in normal and acute leukaemic cells. <i>Br J Haematol.</i> 1998 Oct;103(1):110-23. *Gleixner KV, Mayerhofer M, Sonneck K, Gruze A, Samorapoompichit P, Baumgartner C, Lee FY, Aichberger KJ, Manley PW, Fabbro D, Pickl WF, Sillaber C, Valent P: Synergistic growth-inhibitory effects of two tyrosine kinase inhibitors, dasatinib and PKC412, on neoplastic mast cells expressing the D816V-mutated oncogenic variant of KIT. <i>Haematologica.</i> 2007 Nov;92(11):1451-9.

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EXBIO Praha | Nad Safinou II 341 | 252 50 Vestec u Prahy | Czech Republic
Tel: +420 261 090 666 | Fax: +420 261 090 660 | orders@exbio.cz | www.exbio.cz